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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/752,010	01/07/2004	Toshimichi Seike	OKI.353D	4662
20987	7590	04/15/2005	EXAMINER	
VOLENTINE FRANCOS, & WHITT PLLC			TRAN, ANH Q	
ONE FREEDOM SQUARE			ART UNIT	PAPER NUMBER
11951 FREEDOM DRIVE SUITE 1260				
RESTON, VA 20190			2819	

DATE MAILED: 04/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/752,010	SEIKE, TOSHIMICHI
Examiner	Art Unit	
Anh Q. Tran	2819	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1)  Responsive to communication(s) filed on 07 January 2004.

2a)  This action is **FINAL**.                            2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

4)  Claim(s) 11-120 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5)  Claim(s) 1-18 is/are allowed.

6)  Claim(s) 19 and 20 is/are rejected.

7)  Claim(s) \_\_\_\_\_ is/are objected to.

8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on 07 January 2004 is/are: a)  accepted or b)  objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All    b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. 10/194,297.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1)  Notice of References Cited (PTO-892)  
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 1/7/04.  
4)  Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.  
5)  Notice of Informal Patent Application (PTO-152)  
6)  Other:

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 19-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Ansel (5,013,940).

Ansel shows:

19. an output buffer circuit (Fig. 3, 4) comprising:  
an input terminal for receiving an input signal (25);  
an output terminal for outputting an output signal (31);  
a high level control circuit connected to the input terminal, the high level control circuit (46-48, 53) outputting a signal (3) having a level gradually changing from "H" level to "L" level when the input signal is changed from "L" level to "H" level (slew rate of change depend on transistors 48, 47, 53);  
a low level control circuit (45, 49-52) connected to the input terminal, the low level control circuit outputting a signal having a level gradually changing from "L" level to "H" level when the input signal is changed from "H" level to "L" level (slew rate of change depend on transistors 50, 49, 52);

a first output transistor (34) having a source connected to a first power source potential node, a drain connected to the output terminal and a gate connected to the high level control circuit; and

20. a second output transistor (33) having a source connected to a second power source potential node, a drain connected to the output terminal and a gate connected to the low level control circuit.

Claim 20 (Original): An output buffer circuit according to claim 19, wherein each of the high level and low level control circuits has an inverter connected to the input terminal, the inverter outputting a signal having a slow rise up and fall down characteristic (col. 3, lines 21-42 and col. 4, lines 55-58).

***Allowable Subject Matter***

3. Claims 11-18 are allowed.

4. The following is an examiner's statement of reasons for allowance: with respect to claim 11, in addition to other limitations in the claim, the prior art fails to teach or disclose the applicant's invention as claimed, particularly the feature describing the pull up control circuit pulling up a voltage of the first signal during a predetermined time from a time when the input signal is change from LOW level to HIGH level.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh Q. Tran whose telephone number is 571-272-1813. The examiner can normally be reached on M-TH (7:00-5:30) Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Tokar can be reached on 571-272-1812. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ANH Q. TRAN  
PRIMARY EXAMINER



A handwritten signature in black ink, appearing to read "Anh Q. Tran".

4/12/05